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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/002,840	10/23/2001	Hung-Liang Chiu	56597 (71987)	3638
21874	7590	02/09/2004	EXAMINER	
EDWARDS & ANGELL, LLP			LU, KUEN S	
P.O. BOX 55874			ART UNIT	
BOSTON, MA 02205			PAPER NUMBER	

2177

DATE MAILED: 02/09/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

51

Office Action Summary

Application No.

10/002,840

Applicant(s)

CHIU ET AL.

Examiner

Kuen S Lu

Art Unit

2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
2. Claim 1 is objected to because of the following informalities:
The “;” in the phrase “application program system; the method comprising the steps of:” improperly ends the preamble of the Claim. Appropriate correction is required.

Drawings

3. The drawings are objected to because Fig. 2 does not have starting or ending points. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 3, 5, 7, 9 and 11 are rejected under 35 U.S.C. 102(b) as anticipated by Morris et al. (U.S. Patent 6,112,206, hereafter “Morris”).

As per the independents Claim 1 and 7, Morris teaches the following:

“(1) determining via the system for reading authorized data if a data-reading request is submitted by the user at the terminal device, wherein if the data-reading request is

received by the system for reading authorized data, then step (2) is followed, or else, the step (1) is repeated" at Fig. 5, steps 164-178 and col. 13, lines 7-12 by determining if new program was submitted and received;

"(2) determining via the system for reading authorized data if data requested by the user is availably stored in the database, wherein if no data requested by the user is available, then step (4) is followed, or else, step (3) is followed" at Fig. 6, step 194 and col. 13, line 65 – col. 14, line 4 by determining if local data is available for application program to process and act accordingly;

"(3) retrieving the data requested by the user via the system for reading authorized data from the database, and displaying the retrieved data on a browser of the terminal device" at Fig. 6, steps 206 and 208, and col. 12, lines 58-61 by retrieving or returning the data and displaying the data; then, "repeating the step (1)" at Fig. 5, step 162 and col. 11, lines 58-63 by application program to return to the start step when application exited from previous execution cycle;

"(4) submitting a data-downloading inquiry via the system for reading authorized data to the application service provider according to the data-reading request submitted by the user" at Fig. 6, steps 196 and 198 and col. 14, lines 1-11 by forming request and sending SQL to query data;

"(5) determining via the system for reading authorized data if the data requested by the user are transmitted from the application service provider, wherein if no data requested by the user is received by the system for reading authorized data, then the step (4) is repeated, or else, step (6) is followed" at Fig. 6, steps 200 and 202, and col.

14, lines 11-20 by determining if data received and then formatting and returning data; and "(6) downloading the requested data transmitted from the application service provider via the system for reading authorized data to the database for storage, and then repeating the step (3)" at Fig. 6, steps 200, 204 and 206, and col. 14, lines 14-20 by receiving data through SQL query.

As per Claims 3 and 9, Morris teaches "in the step (6), the system for reading authorized data processes the requested data transmitted from the application service provider to be in the form of tables, and downloads the tables to the database for storage" at the Abstract by portable server to maintain a database for storing the retrieved data.

As per Claims 5 and 11, Morris teaches "the system for reading authorized data is constructed in a server host" at col. 7, lines 61-62 by having database installed on the host.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morris et al. (U.S. Patent 6,112,206, hereafter "Morris") as applied to Claims 1, 3, 5, 7, 9 and 11 above, and further in view of Ben-Itzhak (U.S. Publication 2003/0023873 A1).

As per Claims 2 and 8, Morris teaches reading local data or formatting SQL to query data at remote server.

Morris does not specifically teach "data-reading inquiry to the application service provider in a request for comment (RFC) manner, so as to allow the application service provider to search in a database server thereof for data corresponding to a RFC document number in the data-reading inquiry".

However, Ben-Itzhak teaches using RFC document as an encoding language at Page 5, [0066].

It would have been obvious to one having ordinary skill in the art at the time of the applicant's invention was made to combine Ben-Itzhak's teaching with Morris' by utilizing RFC document to inquire data from the web site because by doing so any update of a protocol standard would lead to an immediate in the supported message base encoding type.

5. Claims 4, 6, 10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morris et al. (U.S. Patent 6,112,206, hereafter "Morris") as applied to Claims 1, 3, 5, 7, 9 and 11 above, and further in view of Bobick et al. (U.S. Publication 2003/0172135 A1).

As per Claims 4 and 10, Morris teaches a data collection and dissemination system. Morris does not specifically teach "the application program system of the system for reading authorized data is an enterprise resource planning (ERP) system".

However, Bobick teaches dependency of Enterprise Information System server on Enterprise Resource Planning System.

It would have been obvious to one having ordinary skill in the art at the time of the applicant's invention was made to combine Bobick's teaching with Morris' by further extending functionality of the data sever to cover enterprise resource planning because by doing so the server would become an enterprise information system.

As per Claims 6 and 12, Morris teaches a data collection and dissemination system. Morris does not specifically teach " application service provider are constructed in world wide web".

However, Bobick teaches utilizing web application server as a middle tier between application and database sever.

It would have been obvious to one having ordinary skill in the art at the time of the applicant's invention was made to combine Bobick's teaching with Morris' by further extending functionality of the application sever to cover web application functionality because by doing so the server would be equipped with a much complete set of application services.

Conclusions

6. The prior art made of record

- | | |
|------------------|--------------|
| A. U.S. Patent | 6112206 |
| B. U.S. Pub. No. | 2003/0023873 |
| C. U.S. Pub. No. | 2003/0172135 |

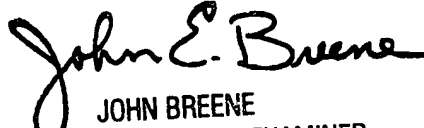
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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|----------------|---------|
| D. U.S. Patent | 6336114 |
|----------------|---------|

E. U.S. Patent	6442552
F. U.S. Patent	6564218
G. U.S. Patent	6523032

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuen S Lu whose telephone number is 703-305-4894. The examiner can normally be reached on 8 AM to 5 PM, Monday through Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on 703-305-9790. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

KL
Patent Examiner
February 2, 2004


JOHN BREENE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100